ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE

CARDIFF PORT SANITARY AUTHORITY,

FOR THE YEAR 1915.

Printed by Order of the Sanitary Authority.

CARDIFF:

S. GLOSSOP AND SONS, LTD., NEW STREET.

1916.

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Caretaker—Flat-Holm Hospitals :

F. HARRIS.

Cardiff Port Sanitary Authority.

95, BUTE STREET,

CARDIFF,

April, 1916.

To the Chairman and Members of the Cardiff Port Sanitary Authority.

GENTLEMEN,

I have the honour to submit to you my Annual Report for the year 1915.

The Regulations of the Local Government Board prescribe, with regard to the Medical Officer of Health :—

> " That he shall prepare an annual report, to be made to the end of December, " in each year, comprising tabular statements so far as he shall have been able " to obtain the necessary information, of the sickness and mortality of persons " on ship-board within the District, classified according to diseases, ages, and " vessels, and a summary of the action taken during the year for preventing the " spread of disease. The report shall also contain an account of the proceedings " in which he has taken part or advised under the Public Health Act, 1875, so " far as such proceedings relate to conditions dangerous or injurious to health, " and also an account of the supervision exercised by him, or on his advice, for " Sanitary purposes over places and vessels that the Port Sanitary Authority " has power to regulate, with the nature and results of any proceedings which " may have been so required and taken in respect of the same during the year."

In view of the special conditions which prevail at the present time, it is considered advisable in the interests of economy to reduce the volume of the report for this year to the smallest possible compass.

The Local Government Board has issued a circular note addressed to Medical Officers of Health, in which it is stated that having regard to the present circumstances " The Board consider that many of the details usually inserted in the Annual Report, such as a description of the district and of the water supply, sewerage and sewage disposal, may be omitted and that the report may be confined to a record of what has taken place during the year."

In compliance with the terms of this letter, this report will contain only a brief account of the routine work of the year in the Health Department of the Port.

Inspectors F. Wood, F. Howell, T. D. Hill, and W. J. Davies, have been on military duty during the year and their places have been filled by temporary Inspectors John Morgans, F. Sartain and O. T. George.

The following Table gives particulars of vessels and tonnage, foreign and coastwise, entering the Cardiff Port Sanitary District, kindly supplied to me by H.M. Collector of Customs.

TABLE I.

YEARS.	Number of Vessels.		Total No. of Vessels Foreign and Coastwise.	Tonnage.		Total Tonnage Foreign and Coastwise inwards.
	Foreign.	Coastwise.		Foreign.	Coastwise.	
1900	3,212	8,858	12,070	3,127,985	2,850,479	5,978,464
1901	2,829	8,755	11,584	2,917,948	2,750,335	5,668,283
1902	2,763	9,337	12,100	2,729,563	2,953,915	5,683,478
1903	2,544	9,130	11,674	2,821,927	2,976,901	5,798,828
1904	2,370	8,635	11,005	2,563,188	3,178,989	5,742,177
1905	2,437	9,959	12,396	2,662,128	3,252,663	5,914,791
1906	2,790	9,306	12,096	3,386,347	3,236,673	6,623,020
1907	3,018	8,798	11,816	3,799,249	3,163,622	6,962,871
1908	2,890	8,163	11,053	3,675,274	2,821,260	6,496,434
1909	2,846	8,400	11,246	3,788,643	3,017,152	6,805,795
1910	2,925	9,340	12,265	3,719,987	3,371,362	7,091,349
1911	2,864	8,991	11,855	3,840,594	3,088,173	6,928,767
1912	3,013	8,009	11,022	3,954,927	3,444,446	7,399,373
1913	3,329	7,806	11,135	4,458,875	3,610,470	8,069,345
1914	2,943	7,423	10,366	4,125,437	3,794,786	7,920,223
1915	3,342	6,401	9,743	3,044,111	3,862,154	6,906,265

INFECTIOUS DISEASES :—The powers which the Port Sanitary Authority possesses for dealing with the ordinary Infectious Diseases, which are always more or less present in this country, are derived from the Public Health Acts and the Regulations made by the Authority under the provisions of these Acts. The Regulations made by the Cardiff Port Sanitary Authority under Section 125 of the Public Health Act, 1875, are as follows :—

1.—In these Regulations, the expression " The Port Sanitary Authority " means the Mayor, Aldermen and Burgesses of the Borough of Cardiff, acting by the Council, as the Port Sanitary Authority ; the expression " The District " means so much of the Customs' Port of Cardiff as, under an Order of the Local Government Board, dated the 15th day of September, 1894, is comprised within the jurisdiction of the Port Sanitary Authority ; the expression " Ship " includes a Boat ; the expression " Medical Officer of Health " includes any legally qualified Medical Practitioner lawfully authorised to act on behalf of such Officer ; the expression " Dangerous Infectious Disorder " means any one of the following diseases :—

Small-Pox	Relapsing Fever	Typhoid Fever
Membranous Croup	Diphtheria	Continued Fever
Typhus Fever	Scarlatina or Scarlet Fever	

2.—These Regulations shall remain in force until they are revoked by the Port Sanitary Authority, or until fresh Regulations under Section 125 of the Public Health Act, 1875, are made by the Port Sanitary Authority and approved of by the Local Government Board.

3.—Every Master or other person having charge of a ship arriving in the District with any person on Board, whether a passenger or belonging to the ship's crew, suffering from a dangerous infectious disorder, shall stop on arrival in any dock-basin, river, harbour, or canal within the District, and forthwith send notice to the Medical Officer of Health of the Port Sanitary Authority, stationed at his office at Cardiff, that there is a person on board suffering from such a disorder.

4.—The Master or other person in charge of the ship shall cause her to remain in any dock-basin, river, harbour, or canal within the District in which she shall have stopped on arrival, until the Medical Officer of Health has boarded her.

5.—The Medical Officer of Health, to whom notice is given either by the Master or person in charge of the ship, or by an Officer of the Port Sanitary Authority boarding

the ship on its arrival, that there is a person on board suffering from a dangerous infectious disorder, shall, as soon as practicable, visit the ship, and ascertain whether the person referred to in the notice is suffering from such a disorder, and if in the opinion of the Medical Officer of Health he is, and can properly be removed, and proper accommodation can be provided for him in the Hospital of the Port Sanitary Authority of Cardiff, or in some other Hospital to which the Port Sanitary Authority are entitled to remove patients, the Master or other person having charge of the ship shall forthwith cause such person to be removed to such Hospital, according to the directions of the Medical Officer of Health.

6.—If any dangerous infectious disorder shall break out on board any ship, arriving in the District, and after she has passed into any dock-basin, river, harbour, or canal, the Master or other person having charge of such ship shall give notice to the Medical Officer of Health of the Port Sanitary Authority at his Office at Cardiff, that there is on board a person suffering from such disorder, and if, upon examination, the Medical Officer of Health shall find that he is so suffering, the Master or other person in charge of such ship shall forthwith cause such person to be removed to a Hospital to which the Port Sanitary Authority are entitled to remove patients, as directed by the Medical Officer of Health.

7.—Every person who shall offend against any of the foregoing Regulations shall be liable for every such offence to a penalty of Forty Shillings.

In addition to the above, the Port Sanitary Authority has adopted the Infectious Disease Notification Act, 1889, which requires the notification to the Medical Officer of Health by Medical Practitioners of all cases of the ordinary Infectious Diseases coming under their care. In September, 1900, the Local Government Board, by order, extended the provisions of this Act to the notification of every case of Plague occurring in the district. Circular letters were sent by me to Medical Practitioners informing them of their duties in this respect.

The hospital referred to in the above Regulations is that belonging to the Cardiff Urban Sanitary Authority, in which accommodation is provided for persons suffering from diseases specified, on board ships within the District of the Port Sanitary Authority of Cardiff.

PHTHISIS.—During the year ended December 31st, 1915, seven cases of Phthisis were notified, as compared with fourteen cases during the previous year.

Some of these cases were notified from the Royal Hamadryad Seamen's Hospital and others were treated on board ships in the Port.

TYPHOID FEVER.—On February 10th, the Medical Superintendent of the Royal Hamadryad Seamen's Hospital, notified a case of Typhoid Fever. G. H., age 23 years, seaman, was admitted on January 23rd from the French s.s. "Sahel," lying in the East Bute Dock. The ward at the hospital was subsequently disinfected and a quantity of bedding was removed for disinfection. The vessel had left the port previous to receiving notification.

On the same date, the Medical Superintendent of the Royal Hamadryad Seamen's Hospital, notified another case of Typhoid Fever.

E. P., age 20 years, seaman, was admitted on January 23rd, from the French s.s. "Charles Gounod," lying in Barry Dock.

The ward at the hospital was subsequently disinfected and a quantity of bedding removed for disinfection.

On July 19th, the Master of the Danish s.s. "Allie," lying in the Roath Dock, reported that E. J., age 30 years, seaman, was ill on board. Upon examination it was found that he was suffering from Typhoid Fever. Patient was forthwith removed to the City Sanatorium, his effects removed for disinfection and the forecastle disinfected.

A sample of the drinking water was taken and submitted for analysis at the Public Health Laboratory, and which proved to be satisfactory.

On July 31st, the Master of the Greek s.s. "Nicolaos Roussos," lying in Penarth Dock, reported that P. K., age 41 years, fireman, was ill on board. Upon examination it was found that

he was suffering from Typhoid Fever. Patient was forthwith removed to the City Sanatorium, his effects removed for disinfection and the forecastles cleansed and disinfected.

On August 12th, the Medical Superintendent of the Royal Hamadryad Seamen's Hospital, notified a case of Typhoid Fever. M. M., age 30 years, boatswain on the Belgian s.s. " Seresia," lying in the East Bute Dock, was admitted on July 12th. The ward at the hospital was subsequently disinfected and a quantity of bedding removed for disinfection. The vessel had sailed previous to receiving notification.

On August 17th, the Master of the British s.s. " Cayo Bonito " reported on arrival in the Queen Alexandra Dock, that C. S., age 19 years, apprentice, was ill on board. Patient was medically examined and the following day he was removed to the Royal Hamadryad Seamen's Hospital. On the 28th he was notified to be suffering from Typhoid Fever. The ward at the hospital was subsequently disinfected and a quantity of bedding, etc., was removed for disinfection.

On August 21st, J. T., age 28 years, seaman, late of the s.s. " Cayo Bonito," was reported ill at the Sailors' Home. Upon examination it was found that he was suffering from Typhoid Fever. Patient was forthwith removed to the City Sanatorium. His effects together with the bed and bedding from the home were removed for disinfection and the room occupied by him was disinfected and cleansed. The crew spaces and apprentices' berth on board the ship were also disinfected and cleansed, and the water tanks were also emptied, cleansed and refilled with a fresh supply of drinking water. This vessel had brought home convalescent soldiers from the Mediterranean.

On September 20th, J. C., age 18 years, seaman, was reported ill on board the French s.s. " Constance," lying in the Roath Basin. Upon examination it was found that he was suffering from Typhoid Fever.

Patient was forthwith removed to the City Sanatorium and his effects were removed for disinfection. The forecastle was disinfected and cleansed and a fresh supply of drinking water taken at this port.

This steamer arrived in port some days previously from the Mediterranean.

On October 13th, the Medical Superintendent of the Royal Hamadryad Seamen's Hospital. notified a case of Typhoid Fever. J. P., age 19 years, seaman, was admitted to that Institution on October 3rd, from a seamen's boarding house in the City, having been paid off some time previously from the s.s. " Anglo Brazilian," at Sharpness. His effects were removed for disinfection and the ward, bedding, etc., at the hospital were subsequently disinfected.

On October 18th, the Master of the Norwegian ship " Maella," lying in the East Bute Dock, reported that R. T., age 16 years, seaman, was ill on board. Patient was medically attended for some days previously and was subsequently notified to be suffering from Typhoid Fever.

He was forthwith removed to the City Sanatorium ; his effects were removed and the forecastle disinfected.

The water tanks had previously been emptied and cleansed and a fresh supply of water taken on board at this Port. This lad came from Norway and joined the ship at Cardiff on September 6th.

On October 30th, the Medical Superintendent of the Royal Hamadryad Seamen's Hospital, notified a case of Typhoid Fever. L. F., age 38 years, seaman was admitted on October 22nd from a seamen's boarding house in the City. Patient came to Cardiff on October 17th, having been discharged from his ship at a foreign port.

The ward at the hospital was subsequently disinfected and the patient's effects together with some bedding were removed for disinfection.

On December 16th, the Medical Superintendent of the Royal Hamadryad Seamen's Hospital, notified a case of Typhoid Fever. C. K., age 30 years, seaman, was admitted on November 24th,

from the ship " Terpsichore," lying in the Queen Alexandra Dock. The ward at the hospital was subsequently disinfected and a quantity of bedding was removed for disinfection. The vessel had sailed previous to receiving notification.

On December 31st, the Medical Superintendent of the Royal Hamadryad Seamen's Hospital, notified a case of Typhoid Fever. J. P., age 16 years, seaman, on board the French vessel "Angevine," was admitted on December 14th, just as the vessel was sailing, having been in port since November 28th.

DIPHTHERIA.—On February 13th, the Medical Superintendent of the Royal Hamadryad Seamen's Hospital, notified a case of Diphtheria. S. G., age 18 years, seaman, on board the Norwegian s.s. " Valhall," lying in the East Bute Dock. Patient was forthwith removed to the City Sanatorium.

The forecastle was disinfected and the patient's effects were removed for disinfection. This vessel arrived on February 11th from Portugal.

On March 15th, M. B., age 25 years, Captain's Secretary, on board the French s.s. " Pei Ho," lying in the Queen Alexandra Dock, was reported ill. Upon examination it was found that he was suffering from Diphtheria.

Patient was forthwith removed to the City Sanatorium. His berth on board was disinfected and all his effects were removed for disinfection. This vessel arrived on March 8th from France.

On March 18th, the Master of the Spanish s.s. " San Isidoro " reported on arrival in the Queen Alexandra Dock, from Valencia via Bristol, that C. M., age 17 years, cabin boy, was ill on board. Upon examination it was found that he was suffering from Diphtheria. Patient was forthwith removed to the City Sanatorium. His effects were removed for disinfection and the berth occupied by him on board was disinfected and cleansed.

ERYSIPELAS.—On October 13th, the Master of the Dutch vessel " Helena " reported on arrival in the West Bute Dock, that F. N., age 17 years, cook, was ill on board. Upon examination it was found that he was suffering from Erysipelas. Patient was removed to the Royal Hamadryad Seamen's Hospital the following day. The forecastle was disinfected.

SMALL POX.—On November 22nd, the Medical Superintendent of the Royal Hamadryad Seamen's Hospital, reported that H. R., age 21 years, fireman on board the Russian s.s. " Leda," lying in the East Bute Dock, had an eruption on his face and hands. Upon examination I found that he was suffering from Small Pox. The patient was forthwith removed to the Small Pox Hospital. His effects were removed for disinfection ; some articles were destroyed ; the forecastles were disinfected and cleansed, and the whole of the members of the crew (20) were vaccinated.

This vessel was at Gandia, in Spain, on October 24th, where the patient probably contracted the disease. No other case occurred on board up to the time of sailing from this port.

The following Table gives the number of vessels boarded during the year ended December 31st, 1915, by the Medical Officer of Health and his Assistants, on account of disease on board during the voyage, or during the vessel's stay in the district of the Cardiff Port Sanitary Authority.

TABLE II.

DATE 1915	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Jan. 1	7.15 p.m. ...	s.s. " Leafield " ...	British ...	Scapa Flow ...	Influenza	The Master reported on arrival in Penarth Dock that J. L., age 30 years, fireman, was sent to hospital at Scapa Flow, suffering from Influenza.
,, 4	...	" Najade "	Norwegian	Balata Island ... (Peru)	Beri Beri	The Master reported that C. M., age 33 years, steward, was ill on board, suffering from Beri Beri, the vessel then lying in Penarth Roads. Patient was medically examined and brought on shore for treatment at the Royal Hamadryad Seamen's Hospital.
,, 6	11.0 a.m. ...	s.s. " Munk " ...	Norwegian	Rotterdam ...	Dyspepsia and Cold...	The Master reported on arrival in East Bute Dock Basin that E. C., and J. M., firemen, age 17 and 19 years respectively, were ill on board. Upon examination, it was found that the former was suffering from Dyspepsia, and the latter from a cold. Medically treated on board.
,, 12	6.30 p.m. ...	s.s. " Wartenfels " ...	British ...	Middlesbrough ...	Colds & Rheumatism	The Master reported on arrival in the Channel Dry Dock that several members of the crew (Lascars) were ill on board. Upon examination, they were found to be suffering from minor complaints. Some were removed to the Royal Hamadryad Seamen's Hospital and others were medically treated on board.
,, 13	3.30 a.m. ...	s.s. " Suram " ...	British ...	New York ... *via* Rouen	Colds & Rheumatism	The Master reported on arrival in Penarth Dock that S. F., age 33 years, fireman, and J. P., age 45 years, seaman, were ill on board, the former suffering from a cold and the latter from Rheumatism. Medical treatment recommended.
,, 13	6.20 p.m. ...	s.s. " Karma " ...	Norwegian...	Galveston ... *via* Stavanger	Stricture	The Master reported on arrival in East Bute Dock Basin that O.V., age 19 years, fireman, was suffering from Stricture. Patient was removed to the Royal Hamadryad Seamen's Hospital for treatment.

TABLE II.—*continued*

DATE 1915	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Jan. 16	10.0 p.m. ...	s.s. " Helga " ...	Norwegian...	La Pallice ...	Nephritis	The Master reported on arrival in the Channel Dry Dock that A. J., age 39 years, 1st mate, was ill on board, suffering from a slight attack of Nephritis. Medical treatment recommended.
,, 19	9.15 a.m. ...	s.s. " Ormidale " ...	British ...	Sierra Leone ... *via* Hull	Dropsy	The Master reported on arrival in Penarth Dock that P. F., age 31 years, seaman, was ill on board, suffering from Dropsy. Medical treatment recommended.
,, 29	12 noon ...	s.s. " Saint Andre "	French ...	Havre	Dyspepsia	The Master reported that J. J., age 26 years, 3rd mate, was ill on board the vessel lying in the East Bute Dock. Patient was medically examined and found to be suffering from Dyspepsia.
,, 31	7.0 a.m. ...	s.s. " Ormiston " ...	British ...	Bordeaux ...	Influenza	The Master reported on arrival in Penarth Dock that T. C., age 24 years, mess room steward, was left in Hospital at Bordeaux, suffering from Influenza.
,, 31	8.0 a.m. ...	s.s. " Polvarth " ...	British ...	Rosario ... *via* St. Vincent and Rotterdam	... ...	The Master reported on arrival at the Windsor Slipways that R. E. R., age 45 years, 1st engineer, was taken ill on January 2nd and sent to Hospital at St. Vincent on January 6th, where he died on January 16th. Illness unknown.
Feb. 1	9.15 a.m. ...	s.s. " Eftichia ... Vergotti "	Greek ...	Naples	Rheumatism ...	The Master reported on arrival at the Windsor Slipways that C. A., age 50 years, 3rd mate, was ill on board, suffering from Rheumatism Medical treatment recommended.
,, 2	11.0 a.m. ...	s.s. " Export " ...	Russian ...	Leghorn ...	Rheumatism ...	The Master reported on arrival in Penarth Dock that J. M., age 27 years, fireman, was ill on board suffering from Rheumatism. Patient was removed to Royal Hamadryad Seamen's Hospital for treatment.
,, 3	...	" Sirius "	Norwegian...	Halifax, N.S. ...	Tonsilitis	The Master was taken ill after arrival in Port with sore throat. He was medically attended on board and found to be suffering from Tonsilitis.

TABLE II.—*continued.*

DATE 1915	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Feb. 5	12.30 p.m.	s.s. " Larchwood " ...	British ...	Falmouth ...	Influenza	The Master reported on arrival in Roath Dock that the cook was ill on board, suffering from Influenza. Patient was sent to the Royal Hamadryad Seamen's Hospital for treatment.
,, 10	...	s.s. " Sahel " ...	French ...	Havre	Typhoid Fever ...	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Typhoid Fever. G. H., age 33 years, seaman on board the s.s. " Sahel," was admitted to that Institution on January 23rd. Vessel sailed previous to notification being received.
,, 10	...	s.s. " Charles Gounod " ...	French ...	Bordeaux ... (to Barry Dock)	Typhoid Fever ...	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Typhoid Fever. E. P., age 20 years, seaman, was admitted to that Institution on January 23rd, from the s.s. "Charles Gounod," lying at Barry Dock. Vessel had sailed previous to receiving notification.
,, 13	...	s.s. " Valhall " ...	Norwegian...	Vianna	Diphtheria	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Diphtheria. S. G., age 19 years, seaman on board the s.s. " Valhall," lying in the East Bute Dock. Patient was forthwith removed to the City Sanatorium. The crew spaces were disinfected and a quantity of clothing was removed for disinfection.
,, 13	7.0 p.m. ...	s.s. " Northwaite " ...	British ...	Sea ... ... (Admiralty)	Eczema	The Master reported on arrival in the East Bute Dock Basin, that T. H., age 17 years, apprentice, had been ill for some considerable time, suffering from Eczema, and had been medically attended by a Naval Doctor. Patient was sent to his home on arrival at this Port.
,, 13	7.30 p.m. ...	s.s. " Westgate " ...	British ...	Rosario ... *via* King's Lynn	Colds	The Master reported on arrival in the East Bute Dock Basin that J. G., and J. H., seamen, ages 51 and 58 years respectively, were ill on board, suffering from Colds. They were discharged and proceeded to their homes

TABLE II.—*continued.*

DATE 1915	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Feb. 14	8.40 a.m. ...	s.s. "Jose Martinez de Pinillos"	Spanish ...	Benisaf ... ... *via* Garston	Cold	On arrival in the East Bute Dock Basin, the Master was reported to be suffering from a Cold. Medical treatment recommended.
,, 16	...	s.s. "Adansi" ...	British ...	Liverpool ...	Influenza	The Master reported that the Chief Officer was ill on board, suffering from Influenza. Medical treatment recommended. This vessel arrived in Queen Alexandra Dock some days previously.
Mar. 1	9.0 p.m. ...	s.s. "Skraastad" ...	Norwegian ..	La Rochelle ...	Cold & Rheumatism	The Master, age 25 years, and H. H., 28 years, fireman, were reported ill on arrival in Penarth Dock. Upon examination, it was found that the former was suffering from a Cold and the latter from Rheumatism. Both were medically treated on board.
,, 4	11.0 a.m. ...	s.s. "Spheroid" ...	British ...	London ...	Cold	The Master reported that E.D., age 40 years, Seaman, was ill on board the vessel lying in the Queen Alexandra Dock. Upon examination, it was found that he was suffering from a cold, and was medically treated on board.
,, 4	12 noon ...	s.s. "Warrior" ...	British ...	Liverpool ...	Cold	The Chief Officer reported that the master was ill on board the vessel, lying in the Queen Alexandra Dock. Upon examination, it was found that he was suffering from a severe cold. Patient was medically treated on board.
,, 5	...	s.s. "Atlantic" ...	Swedish ...	Dublin	Cold	The Chief Officer reported that B G., age 34 years, seaman, was ill on board the vessel lying in the Roath Dock. Upon examination it was found that he was suffering from a Cold. Medical treatment recommended.
,, 12	...	s.s. "Pei-Ho" ...	French ...	Havre	Heart Disease ...	This Vessel arrived in the Queen Alexandra Dock on March 8th, and on the 12th, J. M., age 28 years, 2nd Officer, was taken ill and died the following day from Heart Disease. An inquest was held.

TABLE II.—*continued.*

DATE 1915	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Mar. 14	6.15 a.m. ...	s.s. " Atlas " ...	Norwegian...	Rouen	Tonsilitis	The Master reported on arrival in Penarth Dock, that J. H., age 23 years, seaman, was ill on board. Upon examination it was found that he was suffering from Tonsilitis. Medical treatment recommended.
,, 15	2.0 p.m. ...	s.s. " Pei-Ho " ...	French ...	Havre	Diphtheria	The Master reported that M. B., age 25 years, was ill, suffering from Sore Throat. Upon examination it was found that he had developed Diphtheria. Patient was forthwith removed to the City Sanatorium. His effects were removed for disinfection and his berth was also disinfected.
,, 15	...	" Beryl M. Corkum "	British ...	Halifax, N.S. ... *via* Cork	Phthisis	The Master reported that T. M., age 46 years, was ill on board. Upon examination it was found that he was suffering from Phthisis. Patient was medically attended on board and sailed in the ship some days later. This vessel had been in port since March 7th.
,, 18	7.30 a.m. ...	s.s. " San Isidoro " ...	Spanish ...	Valencia ... *via* Bristol	Diphtheria	The Master reported on arrival in Queen Alexandra Dock, that C. M., age 17 years, cabin boy, was ill on board. Upon examination, it was found that he was suffering from Diphtheria. Patient was forthwith removed to the City Sanatorium. His berth on board was disinfected and effects removed for disinfection.
,, 19	9.30 p.m. ...	s.s." Leopold II." ...	Belgian ...	Buenos Aires ... *via* Rotterdam	Dysentery	The Master reported on arrival in the Roath Dock, that G. K., age 32 years, fireman, was ill on board. He had been medically examined whilst the vessel was in Barry Roads and found to be suffering from Dysentery. He was removed to the Royal Hamadryad Seamen's Hospital on arrival.
,, 20	10.0 a.m. ...	s.s. " Craigendoran "	British ..	Nantes	Bronchitis and Tonsilitis ...	The Master, J. T., age 49 years, was reported on arrival in Queen Alexandra Dock to be suffering from Bronchitis and Tonsilitis and had been medically attended at Nantes.

TABLE II.—*continued.*

DATE 1915	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Mar. 23	...	" Jules Gommes " ...	French ...	Havre	Quinsy	The Master reported that M. J., age 37 years, boatswain, was ill on board the vessel lying in Penarth Dock. Medical treatment recommended and he was found to be suffering from Quinsy.
,, 28	4.30 a.m. ...	s.s. " Cysne " ...	Portuguese	Lisbon ... .. *via* Port Talbot	Influenza	The Master reported on arrival in the West Bute Dock that J. L., and A. E., seamen, ages 60 and 19 respectively, were ill on board. Upon examination it was found that they were suffering from Influenza and were medically treated on board.
,, 28	6.30 p.m. ...	s.s. " Susana " ...	Spanish ...	Bilbao	Heart Disease ...	The Master sent a telephone message from Barry Roads, reporting the death of E. G., age 54 years, fireman, which occurred at 2.30 a.m. to-day. Upon arrival of the vessel in Roath Basin, the body was removed to the Mortuary pending an inquest.
,, 30	5.30 p.m. ...	s.s. " Esles " ...	Spanish ...	Bilbao	Influenza	The Master reported on arrival in the Roath Dock that T. O., age 34 years, seaman, was ill on board, suffering from Influenza. Medical treatment recommended.
April 6	...	s.s. " Arcotes " ...	Spanish ...	Bilbao	Pneumonia	The Master reported that A. W., age 20 years, engineer's steward, was ill on board. Upon examination it was found that he was suffering from Pneumonia. Patient was medically treated on board the vessel, which was lying in Penarth Dock.
,, 11	6.20 p.m. ...	s.s. " Armenian " ...	British ...	New Orleans ... *via* Avonmouth	Pneumonia	The Master reported on arrival in Queen Alexandra Dock that R. G., age 45 years, cattleman, was ill on board. He was removed to the Royal Hamadryad Seamen's Hospital, where it was found that he was suffering with Pneumonia.
,, 19	10.30 a.m. ..	s.s. " Broadgreen " ...	British ...	St. Servan ..	Appendicitis ...	The Master reported on arrival in Penarth Dock that C. W. C., age 37 years, steward, was ill on board. Patient was removed to the Royal Hamadryad Seamen's Hospital and found to be suffering from Appendicitis.

TABLE II.—*continued.*

DATE 1915	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
April 24	12.40 a.m....	s.s. " Uno "	Russian ...	St. Servan ...	Rheumatism ...	The Master reported on arrival in Penarth Dock that A. L., age 48 years, seaman, was ill on board, suffering from Rheumatism. Medical treatment recommended.
May 1	7.0 p.m. ...	s.s. " Arachne " ...	British ...	London ...	Rheumatism ...	The Master reported on arrival in Roath Dock that A. L., age 48 years, seaman, was ill on board suffering from Rheumatism. He was sent to Royal Hamadryad Seamen's Hospital for treatment.
,, 14	6.30 a.m. ...	s.s. " Gyda " ...	Norwegian ..	Cherbourg ...	Influenza	The Master reported on arrival in Roath Dock that W. D., age 31 years, seaman, was ill on board suffering from Influenza. Medical treatment recommended.
,, 17	...	s.s. " Pena Castillo "	Spanish ...	Santander ...	Chicken Pox ...	The Master reported that B. A., age 22 years, fireman, was ill on board the vessel lying in the East Bute Dock. Upon examination it was found that he was suffering from Chicken Pox. Patient was medically treated on board. The forecastle was fumigated and patient's effects removed for disinfection.
,, 18	11.0 a.m. ...	s.s. " Hampstead " ...	British ...	Glasgow ...	Malarial Fever ...	The Master reported on arrival in Roath Dock that J. McA., age 41 years, seaman, was ill on board suffering from Malarial Fever. Medical treatment recommended.
,, 25	5.30 p.m. ...	" Teie "	Norwegian...	Port Lincoln (Australia) *via* Queenstown ..	Scurvy	The Master reported on arrival in East Bute Dock, that four members of the crew were landed at Queenstown, suffering from Scurvy. Remainder of crew all well on arrival at this Port.
,, 29	6.30 p.m. ...	s.s. " Reidar " ...	Norwegian...	Gothenburg ..	Influenza	The Master reported on arrival in Penarth Dock that one of the crew was ill on board. Upon examination it was found that he was suffering from Influenza and was medically treated on board.
,, 31	...	s.s. " Manoussis " ...	Greek ...	Hornillo ...	Tonsilitis	The Master reported that N. E., seaman, was ill on board, suffering from Tonsilitis. Medical treatment recommended. This vessel arrived in Port on May 21st.

TABLE II.—*continued.*

DATE 1915	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
June 7	1.45 a.m. ...	s.s. " Trident " ...	British ...	Marseilles ...	Scabies	The Master reported on arrival in Penarth Dock, that J. W., age 30 years, seaman, was suffering from Scabies. He had been medically attended at Marseilles. The forecastle was disinfected and his bed, etc., was destroyed at this Port.
,, 17	6.15 a.m. ...	s.s. " Jerseyman " ...	British ...	Boulogne ...	Scabies	The Master reported on arrival in Penarth Dock that L. C., age 29 years, seaman, was suffering from Scabies. The forecastle was disinfected and his bed., etc., was destroyed at this Port.
,, 23	12 noon ...	s.s. " Queensland Transport " ...	British ...	Plymouth ...	Measles	The Master reported on arrival in Queen Alexandra Dock that T. G., age 24 years, seaman, was ill on board. Upon examination, it was found that he was suffering from Measles. Patient was removed to the Isolation Ward, City Sanatorium. The forecastle was disinfected and his bed destroyed.
July 9	5.30 a.m. ...	s.s. " Start " ...	Norwegian...	Villa Garcia ...	Influenza and Abscess in ear	The Master reported on arrival in the East Bute Dock Basin, that M. N., and G. P., ages 22 and 17 years respectively, firemen, were ill on board. Upon examination it was found that the former was suffering from Influenza and the latter from Abscess in ear. They were medically treated on board.
,, 19	8.40 a.m. ...	s.s. " Restormel " ...	British ...	Troon	Rheumatism ...	The Master reported on arrival in Queen Alexandra Dock that V. W., fireman, was ill on board, suffering from Rheumatism. Medical treatment recommended.
,, 19	3.30 p.m. ...	s.s. " Allie " ...	Danish ...	La Rochelle ...	Typhoid Fever ...	The Master reported that E. J., age 30 years, seaman, was ill on board. Upon examination it was found that he was suffering from Typhoid Fever. Patient was forthwith removed to the City Sanatorium. His effects were removed for disinfection and the forecastle was fumigated. A sample of the drinking water was taken for bacteriological examination and analysis, which proved satisfactory. This vessel arrived in Roath Dock a.m. tide, July 17th, when the Master reported all well.

TABLE II.—*continued.*

DATE 1915	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
July 29	8.0 a.m. ...	s.s. " Jose Martinez de Pinillos "	Spanish ...	Ayr	Influenza	The Master reported on arrival in Roath Dock that E. A., age 29 years, steward, was ill on board, suffering from Influenza. Patient had been medically treated at Ayr.
,, 31	11.0 a.m. ...	s.s. " Nicolaos ... Roussos ".	Greek ...	Marseilles ...	Typhoid Fever	The Master reported that P. K., age 41 years, fireman, was ill on board. Upon examination it was found that he was suffering from Typhoid Fever. Patient was forthwith removed to the City Sanatorium. His effects were removed for disinfection and the forecastle was fumigated. This vessel arrived in Penarth Dock on July 14th.
Aug. 3	11.30 a.m....	s.s. " Malcolm " ...	Swedish ...	Rouen	Gastro-Enteritis ...	The Master reported on arrival in the East Bute Dock Basin that S. A., age 25 years, fireman, was ill on board. Upon examination it was found that he was suffering from Gastro-Enteritis. Patient was forthwith removed to the Royal Hamadryad Seamen's Hospital for treatment.
,, 9	4.30 p.m. ...	s.s. " Ellerslie " ...	British ...	Malta	Nephritis	The Master reported on arrival in Queen Alexandra Dock that H. C. L., age 23 years, 3rd engineer, was ill on board. Upon examination it was found that he was suffering from Nephritis and he was removed to his home in Cardiff.
,, 12	...	s.s. " Breynton " ...	British ...	...	Phthisis	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis, J. R., age 61 years, seaman, ex s.s. " Breynton," and paid off at Hull, was admitted to the above Institution on July 23rd, and on August 10th, was removed to the work-house hospital. The bed and bedding at the Seamen's Hospital were removed for disinfection.
,, 12	...	s.s. " Abyssinian " ...	Swedish ...	Bahia Blanca ... *via* Avonmouth	Phthisis	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. E. E., age 31 years, steward, ex s.s. " Abyssinian," and paid off at Avonmouth, was admitted to the above Institution on July 21st. The bed and bedding at the hospital were afterwards removed for disinfection.

TABLE II.—*continued.*

DATE 1915	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Aug. 12	...	s.s. " Seresia " ...	Belgian ...	St. Nazaire ...	Typhoid Fever ...	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Typhoid Fever. M. M., age 30 years, boatswain, was removed to the above Institution on arrival in the East Bute Dock Basin, on July 12th, and on August 12th, notification was received. The bed, bedding and patient's effects were removed for disinfection. The ward at the hospital was also disinfected.
,, 17	9.0 p.m. ...	s.s. " Cayo Bonito "	British ...	Dardanelles ... *via* Malta	Typhoid Fever (2 cases) ...	The Master reported on arrival in Queen Alexandra Dock, that C. S., age 19 years, apprentice, was ill on board. Patient was medically examined and he was removed to the Royal Hamadryad Seamen's Hospital the following day. On August 28th the Medical Superintendent notified the case to be Typhoid Fever. On August 21st, J. T., age 28 years, seaman, on board the s.s. " Cayo Bonito," was reported ill at the Sailor's Home. (He was paid off on the vessel's arrival.) Upon examination it was found that he was suffering from Typhoid Fever. Patient was forthwith removed to the City Sanatorium. His effects, together with some bedding, were removed for disinfection and the room he occupied at the Sailor's Home was disinfected. The Crew spaces on board the ship were also disinfected and cleansed and a quantity of clothing was removed for disinfection from the ship and hospital. The water tanks on board were also emptied, cleansed and refilled at this Port.
,, 22	4.30 p.m. ...	s.s. " Jedmoor " ...	British ...	Brindisi ... *via* Malta	Typhoid Fever ...	The Master reported on arrival in Penarth Dock that J. W., age 16 years, apprentice, was taken ill at Brindisi on August 3rd. Patient was removed to hospital forthwith and was subsequently reported to be suffering from Typhoid Fever. His effects were sent with him. On August 8th, T. H., age 23 years, 3rd engineer, was sent to hospital on arrival at Malta, suffering from Typhoid Fever. His effects were collected for disinfection on arrival at this Port. The berths occupied by the patients were disinfected and the water tanks were emptied and cleansed.

TABLE II.—*continued.*

DATE 1915	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Sept. 6	5.20 p.m. ...	" Port Stanley " ...	Russian ...	Portland, O. ...	Cancer	The Master reported on arrival in Roath Dock that W. H., age 47 years, seaman, had been ill for the past six months suffering from Cancer. Patient was removed to the Royal Hamadryad Seamen's Hospital. His berth was disinfected and cleansed.
,, 7	6.15 p.m. ...	s.s. " Horsa " ...	British ...	Newport News	Malarial Fever ...	The Master reported on arrival in the East Bute Dock Basin that J. S., age 27 years, fireman, had been ill more or less during the voyage, suffering from Malarial Fever. Patient was sent to his home on arrival at this Port.
,, 17	11.0 a.m. ...	s.s. " Aire "	British ...	Newhaven ...	Urticaria	The Master reported that A. E. C., age 37 years, donkeyman, was ill on board the s.s. " Aire," lying in Penarth Dock. Upon examination it was found that he was suffering from Urticaria. Medical treatment recommended.
,, 18	2.30 a.m. ...	" Skjold "	Norwegian...	Portland, O. ... *via* Queenstown	Inflammation of bowels ...	The Master reported on arrival in Roath Dock, that P. K., age 32 years, steward, was sent on shore from Penarth Roads to the Royal Hamadryad Seamen's Hospital, suffering from Inflammation of the bowels.
,, 20	5.30 p.m. ...	s.s. " Constance " ...	French ...	Bizerta	Typhoid Fever ...	The Master reported that J. C., age 18 years, seaman, was ill on board the s.s. " Constance," lying in the Roath Basin. Upon examination it was found that he was suffering from Typhoid Fever. Patient was removed to the City Sanatorium. His effects were removed for disinfection and disinfectants were supplied for disinfecting the crew space. Vessel sailed the following morning.
,, 27	11.20 a.m....	s.s. " Oakdale " ...	British ...	La Rochelle ...	Malarial Fever ...	The Master reported on arrival in Queen Alexandra Dock that one of the crew was sent to hospital at La Rochelle, suffering from Malarial Fever.

TABLE II.—*continued.*

DATE 1915	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Oct. 1	...	s.s. " Dana " ...	Swedish ...	Gefle	Influenza	E. P., age 30 years, 1st officer, was reported to be ill, suffering from Influenza. Medical treatment recommended.
,, 1	9.20 a.m. ...	s.s. " Lake Michigan"	British ..	Malta	Goitre and Influenza	The Master reported on arrival in Queen Alexandra Dock, that J. H., age 24 years, and the Chief Officer, were ill on board. Upon examination it was found that they were suffering from Goitre and Influenza, respectively. They were medically treated on board.
,, 6	...	s.s. " Hektoria " ...	Norwegian...	Avonmouth ..	Diphtheria	The ship's doctor reported that S. L., was ill on board, suffering from Sore Throat. A swab of the throat was examined at the Public Health Laboratory, and a report was received by the Medical Superintendent of the Royal Hamadryad Seamen's Hospital, that the patient was suffering from Diphtheria. The vessel had left the Port with the patient on board, previous to receiving the report.
,, 8	...	s.s. " Oristano " ..	British ...	New York ..	Phthisis	Notification received from a Medical Practitioner in the City that J. K., age 30 years, a female on board the s.s. " Oristano," lying in the Queen Alexandra Dock, was suffering from Phthisis. The vessel had left the Port previous to receiving notification.
,, 9	4.0 a.m. ...	s.s. " Carasa " ...	Spanish ..	Tonnay Charente	Diarrhœa	The Master reported on arrival in Queen Alexandra Dock that L. C., was suffering from Diarrhœa. Medical treatment recommended.
,, 13	...	" Helena "	Dutch ...	Figueira ...	Erysipelas	Notification received from a Medical Practitioner, that F. N., age 17 years, was suffering from Erysipelas. Patient was removed from the ship, which was lying in the West Bute Dock, to the Royal Hamadryad Seamen's Hospital. The forecastle was disinfected.

TABLE II.—*continued.*

DATE 1915	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Oct. 14	12 noon ...	s.s. " Penvearn " ...	British .	Philadelphia .. *via* Bordeaux	Phthisis	The Master reported on arrival in Mount Stuart Dry Dock, that K. B., and C. W., seamen, ages 30 and 34 years respectively, had been removed to hospital, suffering from Phthisis. The former at Civita Vecchia on June 10th and the latter at Philadelphia on September 3rd. Their effects were sent ashore with them. The forecastles were cleansed and painted at this Port.
,, 17	1.45 p.m. ...	s.s. " Marthara " ..	British ...	Soroko ... .. *via* Stornaway	Heart Disease ...	The Master reported on arrival in Queen Alexandra Dock, that P. W., fireman, was ill on board, suffering from Heart Disease. Patient was removed to the Royal Hamadryad Seamen's Hospital.
,, 18	3.0 p.m. ...	" Maella "	Norwegian.	Pensacola ...	Typhoid Fever ...	R. T., age 16 years, seaman, was reported ill on board the vessel, lying in the East Bute Dock. Upon examination it was found that he was suffering from Typhoid Fever. Patient was forthwith removed to the City Sanatorium. The forecastle was disinfected and the patient's effects were removed for disinfection. The Master reported that this lad came from Drammen and joined the ship on September 6th. The water tanks had been emptied and cleansed shortly after the vessel's arrival here on July 23rd.
,, 19	...	s.s. " Cairnnevis " ...	British ..	Sea ... ... (Admiralty)	Jaundice	The Master reported on arrival in Penarth Dock that M. H., age 33 years, seaman, was suffering from Jaundice. Patient was sent to the Royal Hamadryad Seamen's Hospital for treatment.
,, 29	...	s.s. " Driskos " ..	Greek ..	Hornillo ...	Bronchial Catarrh ...	P. N., age 28 years, 3rd engineer, was removed to the Royal Hamadryad Seamen's Hospital, suffering from Bronchial Catarrh.
,, 30	..	,, ...	,, ...	,, .	Typhoid Fever ...	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Typhoid Fever. L. F., age 30 years, seaman, was admitted into the above institution on October 22nd, from a Seamen's boarding house in the City. Patient arrived in Cardiff some time previously, having been discharged from his ship abroad. The ward at the hospital was subsequently disinfected and the bed, bedding, etc., removed for disinfection.

TABLE II.—*continued.*

DATE 1915	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Nov. 3	...	s.s. " Psyche " ...	French ...	Rouen	Influenza	The Master was reported ill on board the ship lying in Penarth Dock. Upon examination it was found that he was suffering from Influenza, and was medically treated on board.
,, 4	5.0 p.m. ...	s.s. " Otterstad " ...	Norwegian...	Rosario ... *via* Las Palmas	Cramp	The Master reported on arrival in Penarth Dock, that several members of the crew had been suffering from Abdominal Pains and Cramp during the voyage, but were convalescent on arrival at this Port. The water tanks were emptied and cleansed at Las Palmas and a fresh supply taken at that port.
,, 5	...	s.s. " Compostela " ...	Spanish ...	Villa Garcia ...	Kidney Disease ...	The Chief Officer reported that the Master was ill on board suffering from Kidney Disease. Patient was medically treated on board the vessel, which was lying in the East Bute Dock.
,, 11	...	s.s. " Katerina " ...	Greek ...	Savona	Cold	The Master reported that D. C., age 50 years, 2nd officer, was ill on board, suffering from a Cold. Medical treatment recommended. The vessel lying in Queen Alexandra Dock.
,, 11	9.20 a.m. ...	s.s. " Helmsdale " ..	British ..	Swansea ...	Pleurisy	The Master, J. D., was reported ill on board, on arrival in the Roath Basin. Upon examination it was found that he was suffering from Pleurisy. He was medically treated on board and subsequently removed to his home at Cardiff.
,, 22	3.0 p.m. ...	s.s. " Leda " ...	Russian ..	Spanish Mediterranean Ports *via* London	Small Pox	This steamer arrived at Cardiff on November 16th, and the Master reported all well. On November 22nd, H. R., age 21 years, was reported ill. Upon examination, I found that he was suffering from Small Pox. Patient was forthwith removed to the City Small Pox Hospital. The crew spaces were disinfected, a quantity of infected clothing was destroyed and the remainder removed for disinfection. The whole of the members of the crew (20) were re-vaccinated, and no other case occurred on board during the vessel's stay in the port.

TABLE II.—*continued.*

DATE 1915	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Nov. 25	...	s.s. " Etton " ...	British ...	London ...	Phthisis	W. C. A., — years, 3rd engineer, vessel lying in the Roath Dock, was notified to be suffering from Phthisis. Patient was paid off and went to his home at Hull. Vessel sailed the same day.
,, 28	10.20 a.m....	s.s. " Rievaulx Abbey " ...	British ...	Liverpool ...	Cold and Kidney Disease ...	The Master reported on arrival in the Roath Basin, that E. W., age 43 years, fireman, J. L., age 57 years and J. G., age 54 years, seamen, were ill on board. Upon examination it was found that the two first named were suffering from Colds and the latter from Kidney Disease. They were paid off and proceeded to their respective homes.
,, 30	11.30 a.m....	s.s. " Finse " ...	Norwegian...	Oporto	Fever and Ague ...	The Chief Officer reported on arrival in the Roath Dock that the Master was ill on board, suffering from an attack of Fever and Ague. Medical treatment recommended.
Dec. 3	...	s.s. " Camma " ...	Norwegian...	Oporto	Pneumonia	K. A., age 20 years, fireman, was removed to the Royal Hamadryad Seamen's Hospital, from the vessel, which was lying in the East Bute Dock, suffering from Pneumonia.
,, 7	11.0 a.m. ...	s.s. " Nyland " ...	Norwegian...	Rouen	Pneumonia	The Master reported that P. A., age 18 years, seaman, was ill on board the vessel, which was lying in the East Bute Dock. Patient was removed to the Royal Hamadryad Seamen's Hospital and found to be suffering from Pneumonia.
,, 10	10.0 a.m. ...	s.s. " Amicitia " ...	Norwegian...	Rouen	Cold	The Master reported on arrival in the East Bute Dock, that O. L., 1st officer, was ill on board suffering from a severe Cold. Patient had been medically attended at Rouen.
,, 13	1.0 a.m. ...	s.s." Aasta "... ...	Norwegian...	Rouen	Phthisis	The Master reported on arrival at the Windsor Slipways, that Z. C., age 25 years, seaman, was ill on board. Patient was medically treated and on December 16th, he was notified to be suffering from Pulmonary Phthisis. The crew spaces were disinfected and the patient was sent to his home in Spain.

TABLE II.—*continued.*

DATE 1915	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Dec. 14	12.15 a.m....	s.s. " Zero " ...	British ...	River Plate ... *via* Calais	Pneumonia	The Master reported on arrival in the Roath Dock that T. D., age 22 years, fireman, died at sea on November 11th from Pneumonia.
,, 16	1.30 p.m. ...	s.s. " Lexie " ...	British ...	Rosario ... *via* Dunkirk	Typhoid Fever ...	The Master reported on arrival in the Mount Stuart Dry Dock, that S. O'B., age 42 years, 2nd officer, was sent to hospital at Las Palmas, during the passage from Rosario, suffering from Typhoid Fever. His effects were sent with him and the berth was disinfected by the members of the crew.
,, 16	...	" Terpsichore " ...	British ...	Halifax, N.S. ... *via* Sharpness	Typhoid Fever ...	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital, notified a case of Typhoid Fever. C. K., seaman, ex. " Terpsichore," lying in the Queen Alexandra Dock, was admitted to the above institution some days previously. The vessel sailed previous to receiving notification.
,, 23	7.40 a.m. ...	s.s. " Vera " ...	Swedish ...	Rouen	Quinsy	The Master reported on arrival in Roath Dock that L. F., age 17 years, seaman, was ill on board. Upon examination it was found that he was suffering from Quinsy.
,, 25	9.0 p.m. ...	s.s. " President le Roy Lallier "	French ...	Lisbon	Diarrhœa	The Master reported on arrival in Roath Basin that two firemen, H. D., and J. B., ages 36 and 19 years respectively, also G. T., age 32 years, seaman, were ill on board, suffering from Diarrhœa. They were removed to the Royal Hamadryad Seamen's Hospital the following day, and after a few days, rejoined the ship. A sample of the drinking water was submitted to the Public Health Laboratory, for analysis and which proved to be contaminated. The water tanks were emptied and cleansed and a fresh supply taken at this Port.
,, 27	9.30 a.m. ...	s.s. " The Sultan " ...	British ...	Rouen	...	The Master reported on arrival in Roath Basin that D. L., age 45 years, was ill on board. Upon examination it was found that he was suffering from Delirium Tremens. He was removed to the Workhouse Hospital for safety.

TABLE II.—*continued.*

DATE 1915	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Dec. 28	11.0 a.m. ...	s.s. " Ohio " ...	French ...	Toulon	Colds	The Chief Officer reported that 3 firemen, P., A., and B., ages 25, 31 and 32 years respectively, were ill on board the vessel lying in the Queen Alexandra Dock. Upon examination it was found that they were suffering from Colds.
,, 30	...	s.s. " Duna " ...	Italian ...	Genoa	Cold	The Master reported that E. E., age 35 years, donkeyman, was ill on board the vessel, lying in Penarth Dock. Patient was sent to the Royal Hamadryad Seamen's Hospital for treatment.
,, 31	...	" Angevine " ...	French ...	Granville ...	Typhoid Fever ...	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital, notified a case of Typhoid Fever. J. P., age 16 years, seaman, was admitted on December 14th, just as the vessel was sailing from this Port. The bed, bedding, etc., was afterwards disinfected at the hospital.
,, 31	...	s.s. "Inger Elizabeth"	Norwegian...	St. Nazaire ...	Phthisis	Notification received from a Medical Practitioner, that A. D., age 28 years, donkeyman, on board the vessel lying in the East Bute Dock, was suffering from Phthisis. Patient was admitted into the Workhouse Hospital the same night and subsequently removed to Glan Ely Sanatorium. The crew spaces on board the ship were disinfected.

CHOLERA, YELLOW FEVER AND PLAGUE.

The following Table gives particulars of vessels dealt with during the year 1915, under the Cholera, Yellow Fever and Plague Regulations :—

Table III.

Date 1915.	Number of Vessels.			Vessels which have been subjected to rat destruction.			Number of rats destroyed	From Ports infected with the following diseases.	Medical Inspection on arrival by—
	Infected Vessels.	Suspected Vessels	Vessels from Infected Ports.	Infected Vessels	Suspected Vessels.	Vessels from Infected Ports.			
June 22	...	...	1	...	...	...	...	Plague ...	Medical Officer of Health
,, 24	...	...	1	...	...	...	...	Plague ...	Medical Officer of Health
,, 25	...	...	1	...	...	...	...	Plague ...	Medical Officer of Health
,, 29	...	...	1	...	...	1	259	Plague ...	Medical Officer of Health
Aug. 2	...	...	1	...	...	1	384	Plague ...	Medical Officer of Health
,, 5	...	...	1	...	...	1	186	Plague ...	Medical Officer of Health
Sept. 9	...	...	1	...	...	1	408	Plague ...	Medical Officer of Health
,, 24	...	...	1	...	...	1	180	Plague ...	Medical Officer of Health
	...	...	8	...	...	5	1,417		

The vessels enumerated above all came from Plague infected ports.

During the year the rat-catchers were engaged on board 49 vessels and the total number of rats caught and subsequently destroyed amounted to 9,380.

The Memorandum of the Medical Officer of Health of the Local Government Board, issued to Sanitary Authorities in November, 1910, describes (1) The Symptoms of Plague ; (2) The Diagnosis ; (3) The Method of Spread ; (4) Rats as being the Source of Plague.

Your Committee are aware of the systematic destruction of rats which is carried on in your Port Sanitary District and the warehouses at the docks. Rats have been submitted from time to time for examination to the Bacteriologist of the Cardiff and County Public Health Laboratory with a view of detecting Plague infection.

The following Table gives the results of the examination by Mr. J. H. Sugden, M.Sc., F.I.C., of sixty-nine rats from vessels in port, during the year ended December 31st, 1915.

TABLE IV.

Date 1915	No. of rats submitted.	Name of ship.	Where from.	Result of Examination.
Jan. 19	3	s.s. " Volnay "	New York (via) Bordeaux ...	Negative
,, 27	3	s.s. " Llangorse "	New Orleans (via) Calais ...	Negative
Feb. 9	4	" Metropolis "	Melbourne	Negative
,, 23	5	s.s. " Brodmount " ...	New York (via) Liverpool ...	Negative
March 9	4	s.s. " Pendarves "	St. Michael's (Azores) ...	Negative
,, 23	4	s.s. " Salient "	Rosario	Negative
April 20	4	" Buland "	Seattle, U.S.A.	Negative
May 4	4	s.s. " Tempus "	Rosario	Negative
June 8	3	s.s. " Antiope "	Rosario	Negative
,, 22	3	" Teie "	Port Lincoln (Australia) ...	Negative
July 6	3	s.s. " Helmsmuir "	Karachi	Negative
Aug. 10	4	s.s. " Birchwood "	Karachi	Negative
Sept. 21	3	s.s. " Helgoland "	Karachi	Negative
Oct. 5	3	s.s. " Ascot "	Alexandria	Negative
,, 19	3	s.s. " Polvarth "	Rosario	Negative
Nov. 2	3	s.s. " Pilbarra "	Madras (via) Marseilles ...	Negative
,, 16	6	s.s. " Tregarthen "	New York	Negative
,, 30	4	s.s. " Pendarves "	New York	Negative
Dec. 14	3	s.s. " Antonia "	Valencia	Negative
	69			

During the year Plague was reported in Arabia, Argentina, Azores, Brazil, Bahrien Islands, Ceylon, Chile, China, Cuba, Dutch East Indies, Ecuador, Egypt, French West Africa, Greece, India, Indo-China, Japan, Mauritius, Morocco, Paraguay, Persia, Peru, Siam, Straits Settlements, Tripoli, Turkey and United States of America.

Cholera was reported in Austria, Borneo, Ceylon, China, Dutch East Indies, Germany, India, Indo-China, Italy, Philippine Islands, Russia, Siam, Sicily, Straits Settlements and Turkey.

Yellow Fever was reported in Brazil, Colombia, Cuba, Dutch West Indies, Ecuador, Mexico, Nigeria, Panama, Peru and Venezuela.

A strict examination is made of all vessels on arrival at the Customs Boarding Stations during the day and night tides, whether directly or indirectly from Infected or Suspected ports.

These vessels are dealt with in accordance with the Regulation of the Local Government Board of the 9th September, 1907.

HOSPITAL ACCOMMODATION.—The Hospital on the Flat Holm Island is intended solely for the reception of persons suffering from Cholera, Yellow Fever, or Plague on board Ships. It consists of one pavilion containing two Wards and Nurses' Rooms, Bathrooms, Lavatories, &c. Each Ward contains six beds. In addition to and adjoining the Hospital there is a small Ward with four beds, formerly used for Cholera patients, making altogether permanent accommodation for sixteen patients. At the same time there is ample space on the Island, *i.e.* about 40 acres, for any temporary extension which might be required. In connection with these buildings is a complete Laundry, a Mortuary, a Post-Mortem Room, and a Crematorium for the destruction of the bodies of persons dying in the Hospital or on board an infected ship. The Caretakers reside in a house adjoining the Hospital belonging to the Port Sanitary Authority, and which is used when required for administrative purposes. An arrangement exists between some other Port Sanitary Authorities and Cardiff in connection with the Hospital accommodation on the Flat Holm Island as follows :—

The Bristol Port Sanitary Authority have the use, on payment of fees, of the Crematorium on the Island for the cremation of bodies of persons dying of Cholera, Yellow Fever, or Plague within their District.

The Cardiff Port Sanitary Authority have agreed to receive into their Hospital on the Flat Holm Island, and to provide all necessary treatment and food for patients sent to the Hospital from the District of the Newport Sanitary Authority, and to cremate the bodies of any such patients who may die in the Hospital, on payment of £40 per annum, and £3 3s. per week for the first Newport patient received into the Hospital, and £2 2s. per week for every additional patient, and a sum of £7 7s. in respect of the cremation of every body of any such patient dying in the Hospital.

An agreement exists between the Port Sanitary Authorities of Cardiff and Barry of a similar character to that between Cardiff and Newport.

By agreement also the Bridgwater Port Sanitary Authority are entitled to send patients into the Cardiff Hospital on payment of an annual sum of £20, and of sums for maintenance of patients similar to the other Authorities.

INSPECTION OF SHIPPING.

During the year 1915, eight thousand two hundred and three vessels were inspected on arrival. Three thousand three hundred and sixty-nine extra inspections were made of work in hand and ships in dock, making a total of eleven thousand five hundred and seventy-two inspections.

Two hundred and ninety-seven written notices were served on masters of vessels ; nine hundred and fifty-nine verbal orders were given ; twenty-three letters were sent to owners or their representatives at various ports in this country and abroad in connection with nuisances and sanitary defects on board ships. Forty-three notices were also served on masters of vessels having polluted water on board for drinking and domestic purposes, being the result of bacteriological examination and analysis at the Cardiff and County Public Health Laboratory.

The systematic inspection of shipping in the Bute and Penarth Docks has been carried out as usual with great efficiency and to my entire satisfaction by the Chief Inspector, David Jenkins, and Staff.

The following is a Summary of the routine duty of the Staff of the Medical Officer of Health :—

(1) EAST AND WEST BASINS, MOUNT STUART DRY DOCKS, AND CANAL.—One Inspector on duty from four hours flood on each tide until the gates are closed, and all vessels boarded. All vessels are boarded on arrival, whether from Foreign or Coastwise, and enquiries made as to the health of the crew, and if there has been any sickness on the voyage. A copy of the Regulations as to Infectious Diseases is handed to every Master.

(2) ROATH BASIN AND CHANNEL DRY DOCKS.—One Inspector on duty from four hours flood on each tide until the gates are closed, and all vessels boarded and examined in the same manner as No. 1.

(3) QUEEN ALEXANDRA DOCK.—Two Inspectors, one by day and one by night, from two hours flood until the gates are closed, and all vessels boarded and examined in the same manner as Nos. 1 and 2.

(4) PENARTH DOCK, ELY HARBOUR, AND WINDSOR SLIPWAYS.—Two Inspectors, one by day and one by night, from two hours flood until the gates are closed, and all vessels boarded and examined in the same manner as Nos. 1, 2, and 3. In addition to tide work, the Inspectors on day duty at Nos. 3 and 4, also visits and examines the ships in these Docks, etc., for the purposes of ascertaining the Sanitary condition of each of the ships therein.

In addition to the above, the Senior Assistant Inspector is on day work examining ships in Docks, etc.

The Chief Inspector supervises the work and assists inspections, and carries out Statutory duties in accordance with the General "Order" of the Local Government Board, dated 21st December, 1910.

The duties are arranged thus :—Each Inspector has one week on tides at Nos. 1 and 2, two weeks on tides, etc., at Nos. 3 and 4 respectively, every sixth Sunday off duty, also, one tide each off duty every Sunday.

The average time on tide duties are as follows :—

East and West Basins—Four hours.
Roath Basin—Four-and-a-half hours.
Queen Alexandra Dock—Eight Hours.
Penarth Dock—Eight hours.

The annexed tables will afford evidence of useful work performed by the Officers of the Port Sanitary Authority, and will show that the Inspection of Shipping in the Port has resulted in a great improvement in the Sanitary condition of the floating population.

The chief defects found on board ships were :—Defective side ports and prisms, bulkheads, floors, hawse pipes and cable-casings, defective stoves, funnels and flanges, ventilator cowls and ventilation, lighting and drainage, leaky decks, defective or unlined iron decks over bunks, causing damp beds, etc., defective lamps, water tanks and casks, also defective water-closets.

As a rule very little difficulty was experienced in obtaining compliance with the requirements of the Inspectors.

Shipowners and Masters willingly carry out the recommendations of the Port Sanitary Authority, with the result that the proportion of vessels having Sanitary defects amongst those which frequent the Port has decreased in a most marked manner.

The following Table shows the number of vessels, foreign and coastwise, inspected during the year 1915 :—

TABLE V.

		Number Inspected.	Number Defective.	Number of Orders Issued
Foreign ...	Steamships	3,111	573	573
	Sailing Ships	471	106	106
	Fishing	28	3	3
		3,610	682	682
Coastwise ...	Steamships	3,428	394	394
	Sailing Ships	980	39	39
	Fishing	185	3	3
		4,593	436	436
	Total Foreign and Coastwise ...	8,203	1,118	1,118

The following Table shows the number and nationalities of the vessels inspected on arrival, during the year ended December 31st, 1915.

TABLE VI.

NATIONALITY.	STEAM.	SAIL.	TOTAL STEAM AND SAIL.
American	4	...	4
Argentine	1	...	1
Belgian	69	...	69
British (Australian)	4	...	4
British (Canadian)	3	...	3
British (Indian)	2	...	2
British	4,222	951	5,173
Chilian	3	...	3
Danish	81	9	90
Dutch	62	16	78
French	565	420	985
Greek	239	...	239
Italian	68	1	69
Japanese	10	...	10
Norwegian	837	35	872
Portuguese	10	6	16
Roumanian	4	...	4
Russian	88	11	99
Spanish	344	...	344
Swedish	116	2	118
Uruguayan	20	...	20
Totals	6,752	1,451	8,302

The following Table shows the number and nationalities of the vessels on which nuisances or structural defects were detected :—

TABLE VII.

NATIONALITY.	Number of Ships.	Defective side ports and poisns	Defective water closets.	Defective bulkheads and floors in crew's spaces.	Defective and leaky hawse pipes and cable casings.	Defective or unlined iron decks over berths.	Defective stoves, funnels and flanges in crew's spaces.	Defective ventilation.	Defective ventilation to deck water closets.	Dirty water casks and tanks.	Defective water casks and tanks.	Defective lamps.	Defective lighting.	Defective cowls and ventilators in crew's spaces.	Defective drainage.	Leaky decks over berths.	Foul bilges and peaks.	Ship's stores kept in crew's spaces	Foul accumulations.	Water closets and paint lockers adjoining and ventilating into crew's spaces.	Want of wood floors in crew's spaces	Dirty forecastles and berths.	Dirty water closets.	CASES.	REMEDIED.
American ...	2	14	5	9	3	...	8	...	...	2	...	...	...	4	...	1	...	...	1	...	...	3	...	50	50
Belgian ...	22	15	6	1	...	...	...	2	...	...	...	...	...	...	7	...	1	1	...	4	...	9	6	52	52
British ...	562	309	114	18	50	12	104	25	9	16	2	5	4	24	60	29	7	6	12	29	...	448	67	1350	1341
,, (Aust'lian)	2	2	...	...	...	...	...	2	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	6	6
,, (Canad'n)	2	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2
,, (Indian)...	2	...	1	...	2	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	2	...	7	7
Chilian ...	2	2	2	...	...	...	1	...	...	...	...	...	...	...	1	...	...	1	...	1	...	...	1	9	9
Danish ...	11	4	7	...	...	...	1	1	2	2	...	...	1	...	2	...	...	...	...	2	...	1	...	23	23
Dutch ...	6	6	1	...	...	...	...	...	5	...	1	...	1	...	...	...	...	...	...	...	...	1	...	15	15
French ...	130	33	27	5	1	...	18	4	3	14	...	25	4	...	3	1	...	7	...	1	...	46	14	206	200
Greek ...	93	109	33	8	15	23	32	2	...	...	...	...	1	22	15	1	...	...	...	14	...	38	10	323	310
Italian ...	22	20	7	2	1	2	7	1	1	...	...	...	1	4	8	1	...	...	...	5	...	9	3	72	71
Japanese ...	1	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	3
Norwegian ...	116	51	31	3	5	...	17	10	12	...	...	1	5	12	28	6	...	...	...	16	...	30	14	241	236
Portuguese ...	5	1	1	...	...	...	...	2	...	...	...	...	1	...	1	...	...	1	...	...	...	...	...	7	7
Roumanian	2	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	4	4
Russian ...	18	3	13	2	1	...	4	5	3	2	...	...	1	...	2	1	...	1	...	...	...	8	1	47	47
Spanish ...	107	73	21	2	11	5	38	3	1	1	...	3	...	11	7	1	...	3	...	3	...	39	18	240	240
Swedish ...	11	9	1	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	5	1	19	19
Uruguayan ...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	2
Totals ...	1118	652	273	51	89	44	230	58	36	38	3	34	19	79	135	41	8	20	13	76		641	138	2678	2643

During the year ended December 31st, 1915, 2,536 articles of clothing belonging to seamen were disinfected by the Port Sanitary Authority and 516 dirty or infected beds were destroyed.

CARDIFF AND COUNTY PUBLIC HEALTH LABORATORY.

BACTERIOLOGICAL EXAMINATION OF WATER SUPPLY.

The following Table gives the results of examination by Mr. J. H. Sugden, M.Sc., F.I.C., of ninety-one samples of drinking water from vessels, entering the port during the year ended December 31st, 1915.

TABLE VIII.

1915	NAME OF SHIP.	NATIONALITY.	WATER OBTAINED FROM	RESULT OF EXAMINATION.
Jan. 13	s.s. " Volnay "... ...	British ...	New York	Contaminated
,, 13	s.s. " Barrington Court "	British ...	Norfolk, Va.	Moderate purity
,, 13	s.s. " Rhydwen " ...	British ...	Galveston and Norfolk, Va. ...	Contaminated
,, 20	s.s. " Llangorse " ...	British ...	Norfolk, Va., and Calais ...	Doubtful purity
,, 21	s.s. " Pola "	British ...	New Orleans and Norfolk, Va. ...	Good
Feb. 3	" Metropolis "	British ...	Melbourne	Good
,, 25	s.s. " Chatton " ...	British ...	Norfolk, Va.	Good
Mar. 3	s.s. " Salient " ...	British ...	Rosario	Contaminated
,, 3	s.s. " Brodmore " ...	British ...	Marseilles	Good
,, 17	s.s. " Uriarte No. 6 " ...	Uruguayan	Bilbao	Good
,, 24	s.s. " Edith "	Swedish ...	Dakar	Doubtful purity
,, 30	" Spartan "	Norwegian	Portland, O.	Doubtful purity
April 7	" Porto "	Portuguese	Port Arthur (Texas)	Doubtful purity
,, 7	" Bris "	Norwegian	Pensacola	Doubtful purity
,, 13	s.s. " A. D. Kydoniefs "...	Greek ...	Bougie	Doubtful purity
,, 14	" Buland "	Norwegian	Seattle, U.S.A.	Contaminated
,, 23	s.s. " Grigorios Zlatanos "	Greek ...	Naples and Aguillas	Good
,, 23	s.s. " Libia "	Italian ...	Oporto	Doubtful purity
,, 24	s.s. " Tempus " ...	British ...	Rosario and Teneriffe	Doubtful purity
May 6	s.s. " Istros "	Greek ...	Marseilles	Good
,, 7	s.s. " Arndale " ...	British ...	Naples	Good

TABLE VIII.—*continued.*

1915	NAME OF SHIP.	NATIONALITY.	WATER OBTAINED FROM	RESULT OF EXAMINATION.
May 11	s.s. " Uriarte No. 5 " ...	Spanish ...	Bilbao	Good
,, 14	s.s. " Trelyon " ...	British ...	Teneriffe	Contaminated
,, 17	s.s. " Aikaterini " ...	Greek ...	Ancona and Algiers	Good
,, 21	" Westfalen "	Norwegian	Port Arthur (Texas)	Good
,, 26	" Haakon "	Norwegian	Gulfport	Contaminated
,, 26	s.s. " Antiope " ...	British ...	Madeira	Doubtful purity
,, 27	s.s. " Manoussis " ...	Greek ...	Marseilles	Moderate purity
,, 28	" Regina "	Norwegian	Brunswick (Georgia)	Contaminated
June 1	" Celticburn "	British ...	Seattle and rain water	Moderate purity
,, 2	s.s. " Wolf "	British ...	Port Said and Leixoes	Doubtful purity
,, 4	s.s. " Trifilia " ...	Greek ...	Oran and Bayonne	Contaminated
,, 10	s.s. " Woolston " ...	British ...	Bilbao	Contaminated
,, 14	s.s. " Canford Chine " ...	British ...	Marseilles	Moderate purity
,, 15	s.s. " Eleanora Maersk "	Danish ...	Dakar and Dunkirk	Good
,, 18	s.s. " Elena Margarita "...	Greek ...	Savona	Contaminated
,, 22	s.s. " Demosthenis " ...	Greek ...	Algiers	Contaminated
,, 24	s.s. " Ministre de Smet de Naeyer " ...	Belgian ...	Gibraltar	Good
,, 28	" Havila "	Danish ...	Portland, O.	Contaminated
,, 29	" Metropolis "	Norwegian	West Bay, N.S.	Contaminated
,, 30	s.s. " Helmsmuir " ...	British ...	Karachi and Port Said	Good
July 9	" Hjertnes "	Norwegian	Christianssand & Halifax, N.S. ...	Contaminated
,, 15	s.s. " Erissos " ...	Greek ...	Marseilles and Bougie	Good
,, 19	s.s. " Allie "	Danish ...	Port Talbot	Good
,, 26	" Albatros "	Swedish ...	Halifax, N.S.	Contaminated
,, 26	" Maella "	Norwegian	Pensacola	Doubtful purity
,, 27	" Danmark "	Danish ...	Portland, O., and Falmouth ...	Contaminated
Aug. 3	s.s. " Birchwood " ...	British ...	Gibraltar	Contaminated

TABLE VIII.—*continued.*

1915	NAME OF SHIP.	NATIONALITY.	WATER OBTAINED FROM	RESULT OF EXAMINATION.
Aug. 4	s.s. " Nautilus " ...	Swedish ..	Las Palmas	Good
,, 6	s.s. " Muristan " ..	British ..	Karachi and Port Said	Contaminated
,, 30	s.s. " Demetrios Fafalios " ..	Greek ..	Marseilles	Contaminated
,, 31	s.s. " Sifnos "	Greek ..	Bilbao	Moderate purity
Sept. 3	s.s. " Marchioness of Bute " ...	British ..	St. Lucia and Norfolk, Va. ...	Good
,, 7	s.s. " Glenmay " ...	British ..	Campbeltown, N.F.	Contaminated
,, 7	s.s. " Norburn " ...	British ..	Botwood, N.F.	Good
,, 7	" Port Stanley " ...	Russian ..	Portland, O.	Contaminated
,, 8	s.s. " Horsa "	British ...	Charleston and Newport News ...	Good
,, 10	" Olav "	Norwegian	Halifax, N.S.	Contaminated
,, 13	s.s. " Helgoland " ...	British ..	Karachi and Port Said	Good
,, 14	" Guldaas "	Norwegian	New Richmond	Contaminated
,, 16	" Australia "	Norwegian	Pictou, N.S.	Good
,, 21	s.s. " Aghios Nicolaos " ...	Greek ...	Genoa	Good
,, 22	" Urania "	Norwegian	Pugwash, N.S.	Doubtful purity
Oct. 4	s.s. " Korsfiord " ...	Norwegian	St. Johns, N.S.	Moderate purity
,, 5	s.s. " Sno "	Norwegian	Parrsboro', N.S.	Good
,, 7	" Johanne "	Danish ...	Dalhousie	Contaminated
,, 11	s.s. " Polvarth " ...	British ...	St. Vincent, C.V.	Moderate purity
,, 12	s.s. " Silversand " ...	British ...	Archangel	Moderate purity
,, 14	s.s. " Roskva " ...	Norwegian	Tromso	Contaminated
,, 15	s.s. " Penvearn " ...	British ...	Philadelphia and Bordeanx ...	Contaminated
,, 18	s.s. " Glendene " ...	British ...	Algiers	Good
,, 19	s.s. " Marthara " ...	British ...	Archangel	Moderate purity
,, 25	s.s. " Axminster " ...	British ...	Archangel	Good
,, 28	s.s. " Pilbarra " ...	British ...	Marseilles	Good

TABLE VIII.—*continued.*

1915	NAME OF SHIP.	NATIONALITY.	WATER OBTAINED FROM	RESULT OF EXAMINATION.
Nov. 9	s.s. " Prikonisos " ...	Greek ...	Baltimore	Good
,, 11	s.s. " Cleanthis " ...	Greek ...	Palermo	Contaminated
,, 12	s.s. " Tregarthen " ...	British ...	New York	Moderate purity
,, 15	s.s. " Ramon " ...	Spanish ...	Marseilles	Good
,, 17	s.s. " Carisbrook " ...	British ...	St. John, N.F.	Good
,, 19	s.s. " Ascot "	British ...	Alexandria	Good
,, 24	s.s. " Pinna "	British ...	Newport News...	Contaminated
,, 25	s.s. " Haakon VII." ...	Norwegian	Haugesund	Doubtful purity
,, 29	s.s. " Pendarves " ...	British ...	Norfolk, Va.	Moderate purity
Dec. 2	s.s. " President Bunge "	Belgian ...	La Plata	Moderate purity
,, 7	s.s. " Penare " ...	British ...	Las Palmas	Moderate purity
,, 15	s.s. " Alf "	Norwegian	Las Palmas and Rotterdam ...	Moderate purity
,, 16	s.s. " Marie Suzanne " ...	British ...	Philadelphia	Moderate purity
,, 17	s.s. " Matelot " ...	Italian ...	Funchal	Moderate purity
,, 21	s.s. " Florence Pile " ...	British ...	Philadelphia	Contaminated
,, 28	s.s. " President Le Roy Lallier " ...	French ...	Lisbon (Tank No. 1)	Contaminated
,, 28	,, ,, ...	French ...	Cardiff and Brest (Tank No. 2) ...	Good

FOOD INSPECTION.

IMPORTATION OF FROZEN AND CHILLED MEAT.

The following Table shows the quantity of Frozen and Chilled Meat landed in the Port during the year 1915, the due inspection of which forms an important part of the duty of the Officers appointed under the Public Health (Foreign Meat) Regulations of 1908 and 1909 respectively. Altogether seven vessels arrived with Meat on board which was landed and discharged either into refrigerating railway vans and sent to other towns ; conveyed to the Cold Stores in the City ; or put into the Cold Stores alongside the vessel.

TABLE IX.

Date 1915.	Name of Ship.	Where from.	Beef.			Mutton (Carcases)	Lambs.	Rabbits (Cases).
			Fore Quarters	Hind Quarters	Pieces (Bags)			
Jan. 16	s.s. " Ceres " ...	Avonmouth	418	39	...	...	...	...
,, 19	s.s. " La Rosarina "	River Plate ... ... *via* Southampton	3,842	5,234	...	...	...	...
Feb. 9	s.s. " Vauban " ...	France (Bordeaux) ...	38	14	7	...	...	...
June 13	s.s. " Argyllshire "	New Zealand ... ... *via* Havre	...	...	...	...	...	17,526
Sept. 30	s. Zermatt " ...	River Plate ... ... *via* Boulogne	100	...	...	...	...	...
Oct. 16	s.s. " La Blanca "	New Zealand ... ... *via* Avonmouth	3,386	2,541	4,143	48,799	26,504	...
,, 27	s.s. " El Uruguayo"	France (Boulogne) ...	7	8	...	...	...	...
			7,791	7,845	4,150	48,799	26,504	17,526

THE PUBLIC HEALTH (REGULATIONS AS TO FOOD) ACT, 1907.

The following Table gives particulars of food dealt with during the year ended December 31st, 1915, under the Unsound Food and Foreign Meat Regulations.

TABLE X.

Place of Examination.	Description of Articles destroyed or otherwise dealt with.	Tons	Cwts.	Lbs.
Queen Alexandra Dock ...	Apples	...	1	86
Do.	Cheese	...	5	...
Do.	Flour	...	3	18
Do.	Meat (Frozen)	...	7	38
Do.	Onions	...	9	...
Do.	Oranges	114	17	56
Do.	Tomatoes (Canned)	12	16	67
Roath Dock	Apples (Dried)	1	11	78
Do.	Bacon and Hams	10	5	102
Do.	Maize	64	5	80
Do.	Mutton (Canned)	...	...	6
Do.	Oranges	3	6	...
Do.	Peaches (Dried)	...	15	20
Do.	Raspberry Pulp (Canned) ...	...	...	10
Do.	Tomatoes (Canned)	...	7	...
Do.	Wheat	10	15	26
East Bute Dock	Barley (Pearl)	...	3	84
Do.	Maize	16	6	80
Do.	Oats (Rolled)	...	1	...
Do.	Onions	...	7	56
Do.	Oranges	3	11	...
Do.	Potatoes	7	16	...
Do.	Tomatoes (Canned)	2	7	85
Do.	Wheat	11	3	24

TABLE X.—*continued.*

Place of Examination.	Description of Articles destroyed or otherwise dealt with.	Tons	Cwts.	Lbs.
West Bute Dock	Beef (Canned)	...	10	94¼
Do.	Fish	*50	12	...
Do.	Fish Balls (Canned)	...	...	6
Do.	Flour	...	4	...
Do.	Lemons	5	8	...
Do.	Mutton (Canned)	...	1	55½
Do.	Onions	2	11	...
Do.	Pears (Raw)	4	...	...
Do.	Pine Apple (Canned) ...	...	...	35
Do.	Potatoes	58	18	...
Do.	Prunes	...	...	84
Do.	Rabbit (Canned)	...	...	2
Do.	Raisins	...	3	56
Do.	Salmon (Canned)	...	...	3
Do.	Tomatoes (Canned)	...	3	21
Do.	Tongue, Lunch (Canned) ...	...	...	6
Glamorganshire Canal ...	Beef (Canned)	...	...	48
Do.	Mutton (Canned)	...	...	30
Do.	Tomatoes (Canned)	1	1	62
	Total ...	385	19	74¾

* A quantity of this Fish was brought in and used for the manufacture of manure, etc.

DISEASES OF ANIMALS ACTS, 1894 TO 1914.

(And the Orders of the Board of Agriculture and Fisheries made thereunder.)

THE CANINE ANIMALS ORDER OF 1909, AND THE IMPORTATION OF DOGS ORDER, 1914.

During the year ended December 31st, 1915, 1,055 dogs were imported from Foreign countries, either directly or indirectly.

In each case a copy of the Order was supplied to the Master or Officer in charge of the ship on arrival, by an Officer of the Local Authority.

These ships were visited regularly during their stay in port to see that the requirements of the Order were carried out.

Proceedings were taken on May 6th against the Master of one vessel for non-compliance with the Importation of Dogs Order, 1914.

A fine of £1 was imposed.

FOREIGN ANIMALS ORDER, 1910.

During the year ended December 31st, 1915, thirty-five vessels arrived at this port with the following animals on board from scheduled countries, either directly or indirectly, viz. :—

Cattle, 6 ; Sheep, 72 ; Goats, 3 ; Swine, 23 ; Total, 104.

These ships were visited regularly to see that the Regulations of the Board of Agriculture and Fisheries were carried out.

When any of the ships left for another port in Great Britain, the Authorities at those ports were notified.

Proceedings were taken against the Masters of seventeen vessels for non-compliance with the requirements of the above Order.

The following Table gives particulars of action taken and results :—

TABLE XI.

1915				Legal proceedings (cases)	Fines and Costs.
February	3rd	...	...	1	10/– costs
,,	3rd	...	...	1	9/– costs
,,	5th	...	...	1	5/6 costs
,,	26th	...	...	1	Withdrawn
March	3rd	...	...	1	Dismissed
,,	3rd	...	...	1	Dismissed
,,	18th	...	...	1	5/6 costs
April	8th	...	...	1	£2 and 7/6 costs
,,	22nd	...	...	1	Cautioned
May	18th	...	...	1	Cautioned
,,	21st	...	...	1	Cautioned
June	17th	...	...	1	Cautioned
,,	25th	...	...	1	Cautioned
August	10th	...	...	1	Cautioned
September	17th	...	...	1	£5
October	19th	...	...	1	8/6 costs
December	8th	...	...	1	5/– costs
		Totals	...	17	£9 11s.

ANNUAL REPORT OF D. JENKINS (CANAL BOAT INSPECTOR) FOR THE YEAR 1915.

Section 3 of the Canal Boats Act of 1884, provides that it shall be the duty of every Registration or Sanitary Authority within whose district any canal, or any part of a canal is situated, to enforce within such district, the provisions of the principal Act, and this Act, and any Regulations made thereunder by the Local Government Board, and every Authority shall within twenty-one days after the 31st day of December in each year, make a report to the Local Government Board as to the execution of the Principal Act, and this Act, and of the Regulations made thereunder as aforesaid, and as to steps taken by such Authority during the year, to give effect to the provisions of the said Acts and Regulations.

(1) Canal Boats inspected during 1915	121
Condition of Boats (Good 78, Fair 21)	99
Infringements	22
Occupants of Boats	All Males.
Women and Children sleeping in Canal Boats	Nil.

(2) Infringements :—

(*a*)	Registration	Nil.
(*b*)	Notification of change of Master ...	Nil.
(*c*)	Certificates	Nil.
(*d*)	Marking	2
(*e*)	Overcrowding	Nil.
(*f*)	Separation of Sexes	Nil.
(*g*)	Cleanliness	9
(*h*)	Ventilation	Nil.
(*i*)	Painting	8
(*j*)	Water Vessels	Nil.
(*k*)	Removal of Bilge Water ...	2
(*l*)	Notification of Infectious Disease ...	Nil.
(*m*)	Admittance of Inspector ...	Nil.
(*n*)	Defective Stoves and Chimneys ...	Nil.
(*o*)	Roofs leaky	Nil.
(*p*)	Boats leaky	1
(3)	Legal proceedings taken in respect of infringements	Nil.
(4)	Any other steps taken to secure compliance with the Acts and Regulations ? Yes, Verbal and Written Notices.	
(5)	Detention of boats for cleansing and disinfection	Nil.
(6)	Number of Boats on Register ...	18
(7)	Number of Boats registered during 1915	Nil.
	(*a*) Motor propelled Boats ...	Nil.
	(*b*) Other Boats rendered necessary by structural alterations and change of Owners ...	Nil.
(8)	Removal from Register	Nil.
(9)	Number of Boats believed to be in use or available :—	
	(*a*) Motor propelled Boats ...	1
	(*b*) Not propelled by Motor ...	17
(10)	Number of Boats than cannot be traced	Nil.
(11)	Number of Boats with accommodation for two males	17
(12)	Number of Boats with accommodation for three males	1

With regard to the Glamorganshire Canal, the upper section, north of Abercynon, still remains closed ; also the Aberdare Canal, both sections having been closed, as reported, owing to colliery subsidence.

Unfortunately in July last, a serious breach took place in the Canal at Cilfynydd, south of the Albion Colliery. This has not yet been repaired, therefore the Company is unable to carry goods above Pontypridd.

Subsidence is causing a great deal of trouble and expense on this section.

The traffic between Cardiff and Pontypridd, carried by the Canal Company, continues in a satisfactory state.

The traffic in tin plates from Melingriffith, which is served by the Canal Company, has been affected by the general unrest due to the War.

The same remarks apply to the Patent Fuel traffic.

The sanitary condition of the boats is, on the whole, satisfactory.

The lighters engaged in carrying grain, patent fuel, etc., in the docks, have been periodically examined, cleansed, disinfected and repaired during the year. The fishing boats, also the fish wharves have been regularly visited, cleansed and disinfected.

I wish to record my thanks for the willing assistance given by H.M. Collector of Customs and his staff ; also the Dock Masters of the Cardiff and Penarth Docks and their Officers ; as well as to the Superintendent of the Cardiff Railway Company Police and his staff, which has been greatly appreciated by all the Officials of the Medical Officer of Health's Department.

I have the honour to be, Gentlemen,

Your obedient Servant,

EDWARD WALFORD,

Medical Officer of Health for the Cardiff Port Sanitary District.